

**AMENDMENTS TO THE SPECIFICATION**

Please replace the paragraph on page 2, line 30 with the following replacement paragraph:

*Figure 3* depicts the nucleotide and amino acid sequence of human FHOS. *Figure 3A-B* depicts the nucleotide sequence (SEQ ID NO: 1) and *Figure 3C* depicts the amino acid sequence (SEQ ID NO: 2).

Please replace the paragraph on page 31, lines 4-8 with the following replacement paragraph:

To analyze expression of the FHOS protein among these phenotypic groups, immunoblotting of equivalent amounts of cellular protein was performed. An antibody raised against a synthetic peptide corresponding to amino acids 1152-1166 of the FHOS polypeptide shown in SEQ ID NO: 2 was affinity purified and used for these purposes. Preliminary data demonstrate that FHOS protein levels are decreased in lysates from insulin-resistant subjects.

Please replace the paragraph beginning on page 3, line 29 and bridging pages 3-4 with the following replacement paragraph:

As used herein, the term "FHOS" includes all known forms of FHOS and preferably refers to human FHOS. The term "FHOS protein" refers to any form of FHOS polypeptide, for example, full-length FHOS polypeptides and FHOS fragments (e.g., bioactive fragments, structural and/or functional domains, and the like). The term "FHOS nucleic acid molecule" refers to any form of FHOS polynucleotide, for example, polynucleotides encoding full-length FHOS proteins, polynucleotides encoding FHOS fragments (e.g., bioactive fragments, structural and/or functional domains, and the like), and FHOS non-coding polynucleotides (e.g., 5' untranslated regions or 3' untranslated regions, regulatory sequences, and the like). The human nucleic acid (SEQ ID NO: 1) and amino acid (SEQ ID NO: 2) sequences for FHOS are shown in Figure 3A-B and 3C, respectively.